

Yorkshire Dales National Park

Forecast valid from 06:00 on Monday 03 Jul 2023 until 23:59 on Tuesday 04 Jul 2023

Forecast Issued on Monday 03 Jul 2023 at 01:20

Confidence: Only moderate confidence in the rain and cloud details for the coming few days. Forecast should be monitored for changes.

Headline for Monday 03 Jul 2023: Occasional rain and thundery showers, heaviest and most persistent from late morning.

Mountain weather hazards on Monday 03 Jul 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

Medium Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

Medium Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

Medium Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Heavy rain showers	Heavy Rain	Heavy Rain	Thundery showers	Heavy rain showers	Partly cloudy (night)
Precipitation probability					
30%	60%	80%	30%	30%	20%

Forecast for Monday 03 Jul 2023

Weather: A cloudy start, with showers pushing in from the west early on. Eastern parts may see the odd brighter spell. Cloud soon thickening however, with an organised band of rain and showers moving in from the west by mid-morning. This clearing mid-afternoon with further showers behind. Showers remaining heavy at times, with the possibility of merging to give longer spells of rain and potentially thundery downpours. Showers expected to fade into the evening as winds ease somewhat. Remaining cloudy over western hills.

Chance of cloud-free hill tops above 600m: 80% initially, lowering from the west to 60%, but improving once again to 80% into the afternoon.

Low Cloud and visibility: Scraps of cloud early on perhaps just shrouding some higher peaks, but quickly lowering and thickening, with bases falling to 500-600m, especially in the west or around any heavier showers. Cloud bases in later showers likely remaining well above summits. Visibility generally good, but likely dropping moderate to poor in showers.

Forecast for Monday 03 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/24 W	20/28 W	15/23 W	20/29 W	18/27 W	16/25 W	16/26 SW
300	9/20 W	15/28 W	12/22 W	14/27 W	12/23 W	9/23 W	9/23 W
Valley	3/10 SW	12/24 W	9/18 W	13/25 W	12/23 W	6/19 W	6/18 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/3	8/4	8/4	9/6	8/5	8/4	8/4
300	10/8	11/8	11/8	12/10	11/9	9/7	9/7
Valley	11/11	12/10	12/10	14/12	13/11	11/10	10/9
Freezing Level*	1600m	1600m	1700m	1600m	1600m	1600m	1600m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A day of multiple hazards up on the hills and care should be taken. Feeling cold at height during the morning, particularly as rain sets in. This chilly feel at height persisting into the afternoon though UV levels remain moderate to high in any brightness. Conditions changing quickly into the afternoon as showers pass through, with the risk of stronger gusts over exposed tops in association.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Mon 03 Jul 2023	5.8mm	10mm	24.8mm

Forecast for Tuesday 04 Jul 2023

Weather: Cloudy overnight across western slopes where patchy showers may persist. Otherwise a mix of bright spells and scattered showers. These developing widely, occasionally turning heavy with the risk of thunder. Showers becoming increasingly isolated late afternoon, with some late brightness in the east. Further organised band of rain or heavy showers may reach southwestern parts by midnight.

Maximum wind: West or southwest 15-20mph, gusting 25-30mph

Chance of cloud-free hill tops above 600m: 80%, but 60% across western slopes and in heavier showers.

Low Cloud and visibility: Visibility generally good, dropping to poor heavier showers or rain. Cloud bases of 400-500m possible during the morning, mainly over western slopes. Bases mostly above all but highest peaks outside of showers.

Temperature: **Valleys:** Plus 9 Celsius, rising to Plus 16 Celsius.
At 600m: Plus 7 Celsius, rising to Plus 10 Celsius.
Freezing level: Above summits.